

**To:** Janjic, Ksenija[Janjic.Ksenija@epa.gov]; Carusiello, Chris[Carusiello.Chris@epa.gov]  
**Cc:** Elliot Belilos[ebelilos@ofwlaw.com]  
**From:** Nancy A. Nord  
**Sent:** Thur 7/14/2016 5:51:48 PM  
**Subject:** RE: Construction, maintenance, and operations of synthetic turf fields

Yes. Please call me at 202-518-6344

**From:** Janjic, Ksenija [mailto:Janjic.Ksenija@epa.gov]  
**Sent:** Thursday, July 14, 2016 1:51 PM  
**To:** Nancy A. Nord; Carusiello, Chris  
**Subject:** RE: Construction, maintenance, and operations of synthetic turf fields

Nancy,

Is 2:30 OK for the call?

Ksenija Janjic

Office of Resource Conservation and Recovery

US Environmental Protection Agency

Potomac Yards South, S6943

phone: 703 347 0376

fax: 703 308 0522

**From:** Nancy A. Nord [mailto:nnord@ofwlaw.com]  
**Sent:** Thursday, July 14, 2016 1:40 PM  
**To:** Carusiello, Chris <Carusiello.Chris@epa.gov>  
**Cc:** Janjic, Ksenija <Janjic.Ksenija@epa.gov>  
**Subject:** RE: Construction, maintenance, and operations of synthetic turf fields

Chris, sorry to have missed your call earlier. I have talked with the Astroturf rep and he is trying to figure out a way to make Tuesday work from their side. I am in my office at 202-518-6344 if you want to give me a call. I would appreciate discussing this with you in person.

Nancy

**From:** Carusiello, Chris [<mailto:Carusiello.Chris@epa.gov>]  
**Sent:** Thursday, July 14, 2016 10:55 AM  
**To:** Nancy A. Nord  
**Cc:** Janjic, Ksenija  
**Subject:** RE: Construction, maintenance, and operations of synthetic turf fields

No problem Nancy. Monday unfortunately won't work for us; is Tuesday totally off the table? Are you free sometime today for a brief call?

Thanks again for coordinating,

Chris

**From:** Nancy A. Nord [<mailto:nnord@ofwlaw.com>]  
**Sent:** Thursday, July 14, 2016 9:42 AM  
**To:** Carusiello, Chris <[Carusiello.Chris@epa.gov](mailto:Carusiello.Chris@epa.gov)>  
**Subject:** FW: Construction, maintenance, and operations of synthetic turf fields

Chris, I do apologize for the confusion on this. I am forwarding a message I got this am from the Astroturf regional manager who is overseeing the installation. Can your team make it on Monday morning, early? Apparently, that would be the best for them.

**Nancy A. Nord, Esq.**

The Watergate  
600 New Hampshire Avenue NW, Suite 500

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**From:** Tim Jordan [tjordan@astroturf.com]  
**Sent:** Thursday, July 14, 2016 8:21 AM  
**To:** Nancy A. Nord  
**Subject:** Re: Construction, maintenance, and operations of synthetic turf fields

Nancy,

Good morning.

Sorry for the confusion on this timeframe. This was sprung on me a bit and I'm trying to move meetings and scheduled to accommodate.

I can make it to the job site Monday morning. Due to the expected heat advisory, I would recommend 8am site visit...weather permitting of course.

Does that work? I can be there at another time if that time doesn't work. Just need to know at your soonest opportunity.

Thanks

Tim

Timothy Jordan

Regional Sales Manager- Southeast

Product Manager- Eastern US

M: 804.248.6588

[tjordan@astroturf.com](mailto:tjordan@astroturf.com)

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On Jul 13, 2016, at 5:29 PM, Nancy A. Nord <[nnord@ofwlaw.com](mailto:nnord@ofwlaw.com)> wrote:

Tim, the EPA folks are checking to see if Wednesday morning works. We were originally told that the infill was going in on Monday and Tuesday so I assume from your note that the infill process will be occurring on Wednesday?

Nancy

**From:** Tim Jordan [<mailto:tjordan@astroturf.com>]

**Sent:** Wednesday, July 13, 2016 4:22 PM

**To:** Nancy A. Nord

**Cc:** Carusiello, Chris; Janjic, Ksenija; Villamizar, Nicole; Elliot Belilos; Heard Smith; Jay Crider

**Subject:** Re: Construction, maintenance, and operations of synthetic turf fields

Nancy,

Good afternoon.

Unfortunately, our sales team has a regional meeting in Raleigh that day.

How does Wednesday morning look for you and your team?

Thanks

Tim

Timothy Jordan

Regional Sales Manager- Southeast

Product Manager- Eastern US

M: 804.248.6588

[tjordan@astroturf.com](mailto:tjordan@astroturf.com)

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On Jul 13, 2016, at 4:11 PM, Nancy A. Nord <[nnord@ofwlaw.com](mailto:nnord@ofwlaw.com)> wrote:

Chris, I believe that Tuesday will work. I have copied Tim Jordan, the AstroTurf regional manager, on this email with a request that he confirm that Tuesday, July 19, will work from his standpoint. Here is where and what is being installed:

**Meade Senior High School**

1100 Clark Road

Fort Meade, MD 20755

AstroTurf 3D3 – 52oz/SY            98,507 SF

Ambient SBR Crumb Rubber -   ~214,000lbs

20-40 Silica Sand -                ~214,000lbs

Tim, please confirm that the EPA representatives can observe the installation process next Tuesday and let us know what time we should be at the site. Tim may be able to answer your questions about the various product systems, but if not, Heard is also copied on this email.

Nancy

**Nancy A. Nord, Esq.**

<image001.png>

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**From:** Carusiello, Chris [<mailto:Carusiello.Chris@epa.gov>]  
**Sent:** Wednesday, July 13, 2016 3:13 PM  
**To:** Nancy A. Nord; Janjic, Ksenija  
**Cc:** Villamizar, Nicole; Elliot Belilos  
**Subject:** RE: Construction, maintenance, and operations of synthetic turf fields

Tuesday would work best with our schedule. Would meeting at 9am to avoid the heat work with the installers?

Also, would there be a possibility to touch base with Heard as well? We would like to hear more about some of the AstroTurf product systems that exist.

Thank you,

Chris

**From:** Nancy A. Nord [<mailto:nnord@ofwlaw.com>]

**Sent:** Wednesday, July 13, 2016 12:08 PM  
**To:** Carusiello, Chris <[Carusiello.Chris@epa.gov](mailto:Carusiello.Chris@epa.gov)>; Janjic, Ksenija <[Janjic.Ksenija@epa.gov](mailto:Janjic.Ksenija@epa.gov)>  
**Cc:** Villamizar, Nicole <[Villamizar.Nicole@epa.gov](mailto:Villamizar.Nicole@epa.gov)>; Elliot Belilos <[ebelilos@ofwlaw.com](mailto:ebelilos@ofwlaw.com)>  
**Subject:** RE: Construction, maintenance, and operations of synthetic turf fields

The Astroturf infill is going in on Monday and Tuesday in Ft. Meade. Sprinturf does not have anything here in the immediate area since they focus more on the area north of Philly and the Northeast. Let me know if you can do the Ft. Meade installation next week and I will set it up.

Nancy

**From:** Carusiello, Chris [<mailto:Carusiello.Chris@epa.gov>]  
**Sent:** Wednesday, July 13, 2016 11:50 AM  
**To:** Nancy A. Nord; Janjic, Ksenija  
**Cc:** Villamizar, Nicole; Elliot Belilos  
**Subject:** RE: Construction, maintenance, and operations of synthetic turf fields

Hi Nancy,

Thank you for following up with us. We would appreciate the opportunity to observe an additional field installation. We were wondering if you have heard back from Sprinturf regarding any installations in the area as we gauge which of the two works better for us in terms of timing.

Best,

Chris

**From:** Nancy A. Nord [<mailto:nnord@ofwlaw.com>]  
**Sent:** Tuesday, July 12, 2016 10:38 AM



**To:** Janjic, Ksenija <[Janjic.Ksenija@epa.gov](mailto:Janjic.Ksenija@epa.gov)>; Carusiello, Chris  
<[Carusiello.Chris@epa.gov](mailto:Carusiello.Chris@epa.gov)>  
**Cc:** Villamizar, Nicole <[Villamizar.Nicole@epa.gov](mailto:Villamizar.Nicole@epa.gov)>; Elliot Belilos  
<[ebelilos@ofwlaw.com](mailto:ebelilos@ofwlaw.com)>  
**Subject:** RE: Construction, maintenance, and operations of synthetic turf fields

Ksenija and Chris, good talking with you yesterday about infill systems. During the conversation you asked whether the other companies used a different infill layering system from that used by Fieldturf. The infill layering systems are considered to be intellectual property by the companies and, as a consequence, each system is somewhat different.

As we discussed Astroturf will be doing infill on a field in Ft Meade next week. If you are interested in observing that process, I will be happy to get the details for you.

Nancy

**Nancy A. Nord, Esq.**

<image001.png>  
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**From:** Janjic, Ksenija [<mailto:Janjic.Ksenija@epa.gov>]  
**Sent:** Monday, July 11, 2016 11:24 AM  
**To:** Nancy A. Nord; Carusiello, Chris  
**Cc:** Villamizar, Nicole; Elliot Belilos  
**Subject:** RE: Construction, maintenance, and operations of synthetic turf fields

Will do. Thank you.

Ksenija Janjic

Office of Resource Conservation and Recovery

US Environmental Protection Agency

Potomac Yards South, S6943

phone: 703 347 0376

fax: 703 308 0522

**From:** Nancy A. Nord [<mailto:nnord@ofwlaw.com>]  
**Sent:** Monday, July 11, 2016 11:23 AM  
**To:** Janjic, Ksenija <[Janjic.Ksenija@epa.gov](mailto:Janjic.Ksenija@epa.gov)>; Carusiello, Chris <[Carusiello.Chris@epa.gov](mailto:Carusiello.Chris@epa.gov)>  
**Cc:** Villamizar, Nicole <[Villamizar.Nicole@epa.gov](mailto:Villamizar.Nicole@epa.gov)>; Elliot Belilos <[ebelilos@ofwlaw.com](mailto:ebelilos@ofwlaw.com)>  
**Subject:** RE: Construction, maintenance, and operations of synthetic turf fields

Call my direct line at 2: 202-518-6344

**From:** Janjic, Ksenija [<mailto:Janjic.Ksenija@epa.gov>]  
**Sent:** Monday, July 11, 2016 11:22 AM  
**To:** Nancy A. Nord; Carusiello, Chris  
**Cc:** Villamizar, Nicole; Elliot Belilos  
**Subject:** RE: Construction, maintenance, and operations of synthetic turf fields

Thank you, Nancy. Does calling you to (202) 789-1212 work or should we set up a conference line?

Ksenija Janjic

Office of Resource Conservation and Recovery

US Environmental Protection Agency

Potomac Yards South, S6943

phone: 703 347 0376

fax: 703 308 0522

**From:** Nancy A. Nord [<mailto:nnord@ofwlaw.com>]

**Sent:** Monday, July 11, 2016 10:52 AM

**To:** Carusiello, Chris <[Carusiello.Chris@epa.gov](mailto:Carusiello.Chris@epa.gov)>

**Cc:** Villamizar, Nicole <[Villamizar.Nicole@epa.gov](mailto:Villamizar.Nicole@epa.gov)>; Elliot Belilos <[ebelilos@ofwlaw.com](mailto:ebelilos@ofwlaw.com)>; Janjic, Ksenija <[Janjic.Ksenija@epa.gov](mailto:Janjic.Ksenija@epa.gov)>

**Subject:** RE: Construction, maintenance, and operations of synthetic turf fields

2 pm is fine from our side.

**From:** Carusiello, Chris [<mailto:Carusiello.Chris@epa.gov>]

**Sent:** Monday, July 11, 2016 9:21 AM

**To:** Nancy A. Nord

**Cc:** Villamizar, Nicole; Elliot Belilos; Janjic, Ksenija

**Subject:** RE: Construction, maintenance, and operations of synthetic turf fields

Thank you, Nancy. Would it be possible to give you a quick call at 2pm today to discuss further? Or if there is a better time let us know.

Best,

Chris

**From:** Nancy A. Nord [<mailto:nnord@ofwlaw.com>]

**Sent:** Tuesday, July 05, 2016 7:31 PM

**To:** Carusiello, Chris <[Carusiello.Chris@epa.gov](mailto:Carusiello.Chris@epa.gov)>

**Cc:** Villamizar, Nicole <[Villamizar.Nicole@epa.gov](mailto:Villamizar.Nicole@epa.gov)>; Elliot Belilos <[ebelilos@ofwlaw.com](mailto:ebelilos@ofwlaw.com)>

**Subject:** RE: Construction, maintenance, and operations of synthetic turf fields

Chris, thanks for sending this along to me. We are happy to help facilitate this. I will get together with Heard to see what Astroturf has going in in this area. In addition, I believe that Rom Reddy, with Sprinturf, indicated to you all that they were installing a field (or fields) in this area and invited you to observe that process. If this continues to be of interest, please let me know and we can make sure you all can observe the process and ask all the question you may have about it.

Nancy

**Nancy A. Nord, Esq.**

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**From:** Carusiello, Chris [[Carusiello.Chris@epa.gov](mailto:Carusiello.Chris@epa.gov)]

**Sent:** Tuesday, July 05, 2016 5:53 PM

**To:** Nancy A. Nord  
**Cc:** Villamizar, Nicole  
**Subject:** FW: Construction, maintenance, and operations of synthetic turf fields

Hi Nancy,

Just an FYI, didn't "cc" you in the original email where we reached out to AstroTurf today to learn more about the construction of synthetic turf fields. Thanks again for the contact.

Best,

Chris

**From:** Carusiello, Chris  
**Sent:** Tuesday, July 05, 2016 9:55 AM  
**To:** 'hsmith@textilemanagement.com' <hsmith@textilemanagement.com>  
**Cc:** Janjic, Ksenija <Janjic.Ksenija@epa.gov>; Villamizar, Nicole <Villamizar.Nicole@epa.gov>  
**Subject:** Construction, maintenance, and operations of synthetic turf fields

Good morning Heard,

My name is Chris Carusiello, and I am with the U.S. Environmental Protection Agency's (EPA) Office of Resource Conservation and Recovery (ORCR). I am writing to you today as part of work our office is doing in support of the *Federal Research Action Plan on Recycled Tire Crumb Used on Playing Fields and Playgrounds* currently being implemented by the EPA, the Consumer Product Safety Commission (CPSC), and the Centers for Disease Control (CDC) (Please see: [www.epa.gov/tirecrumb](http://www.epa.gov/tirecrumb)). My office is supporting the background information component of the Action Plan, which is focused on gathering factual information to inform the design and implementation of the Action Plan.

We are interested in setting up a call to learn more about the construction,

maintenance, and operations of synthetic turf fields. We would like to understand the routine construction and maintenance practices and potential variability in these practices as related to whether fields are indoor or outdoor, or located in different geographic locations.

I would also like to check whether you would be open to showing us a field installation sometime this summer. If so, we would look to you to propose a location, preferably close to the Washington, D.C. area, but contingent on AstroTurf's installation schedule.

Best,

Chris Carusiello

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Chris Carusiello

U.S. EPA Office of Resource Conservation & Recovery

Industrial Materials Reuse Branch

Tel (703) 308-8757

Carusiello.Chris@epa.gov | @EPAland

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